0590
1108

H2

OIPE

P5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/978,385

DATE: 11/01/2001
TIME: 13:58:48

Input Set : **A:\99-24C1.SEQ.txt**
Output Set: **N:\CRF3\11012001\I978385.raw**

```
 4 <110> APPLICANT: Piddington, Christopher S.
 5         Petrie, Charles
 6         Shoemaker, Kimberly E.
 7         Bishop, Paul D.
 9 <120> TITLE OF INVENTION: ZACE2: A HUMAN METALLOENZYME
11 <130> FILE REFERENCE: 99-24C1
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C--> 13 **<140> CURRENT APPLICATION NUMBER: US/09/978,385**
C--> 13 **<141> CURRENT FILING DATE: 2001-10-16**
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13 <150> PRIOR APPLICATION NUMBER: 60/133,952
14 <151> PRIOR FILING DATE: 1999-05-13
16 <150> PRIOR APPLICATION NUMBER: 60/151,181
17 <151> PRIOR FILING DATE: 1999-08-27
19 <150> PRIOR APPLICATION NUMBER: 09/563,516
20 <151> PRIOR FILING DATE: 2000-05-03
22 <160> NUMBER OF SEQ ID NOS: 11
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 3334
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
31 <220> FEATURE:
32 <221> NAME/KEY: CDS
33 <222> LOCATION: (35)...(2449)
35 <400> SEQUENCE: 1
36  attcagtgga tgtgatcttg gctcacaggg gacg atg tca agc tct tcc tgg ctc      55
37                                          Met Ser Ser Ser Ser Trp Leu
38                                           1               5
40  ctt ctc agc ctt gtt gct gta act gct gct cag tcc acc att gag gaa     103
41  Leu Leu Ser Leu Val Ala Val Thr Ala Ala Gln Ser Thr Ile Glu Glu
42          10                  15                  20
44  cag gcc aag aca ttt ttg gac aag ttt aac cac gaa gcc gaa gac ctg     151
45  Gln Ala Lys Thr Phe Leu Asp Lys Phe Asn His Glu Ala Glu Asp Leu
46          25                  30                  35
48  ttc tat caa agt tca ctt gct tct tgg aat tat aac acc aat att act     199
49  Phe Tyr Gln Ser Ser Leu Ala Ser Trp Asn Tyr Asn Thr Asn Ile Thr
50    40                  45                  50                  55
52  gaa gag aat gtc caa aac atg aat aat gct ggg gac aaa tgg tct gcc     247
53  Glu Glu Asn Val Gln Asn Met Asn Asn Ala Gly Asp Lys Trp Ser Ala
54                  60                  65                  70
56  ttt tta aag gaa cag tcc aca ctt gcc caa atg tat cca cta caa gaa     295
57  Phe Leu Lys Glu Gln Ser Thr Leu Ala Gln Met Tyr Pro Leu Gln Glu
58                  75                  80                  85
60  att cag aat ctc aca gtc aag ctt cag ctg cag gct ctt cag caa aat     343
61  Ile Gln Asn Leu Thr Val Lys Leu Gln Leu Gln Ala Leu Gln Gln Asn
62          90                  95                  100
64  ggg tct tca gtg ctc tca gaa gac aag agc aaa cgg ttg aac aca att     391
65  Gly Ser Ser Val Leu Ser Glu Asp Lys Ser Lys Arg Leu Asn Thr Ile
```

RAW SEQUENCE LISTING   DATE: 11/01/2001
PATENT APPLICATION: US/09/978,385   TIME: 13:58:48

Input Set : A:\99-24C1.SEQ.txt
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66      105                    110                    115
68  cta aat aca atg agc acc atc tac agt act gga aaa gtt tgt aac cca    439
69  Leu Asn Thr Met Ser Thr Ile Tyr Ser Thr Gly Lys Val Cys Asn Pro
70  120                    125                    130                    135
72  gat aat cca caa gaa tgc tta tta ctt gaa cca ggt ttg aat gaa ata    487
73  Asp Asn Pro Gln Glu Cys Leu Leu Leu Glu Pro Gly Leu Asn Glu Ile
74                     140                    145                    150
76  atg gca aac agt tta gac tac aat gag agg ctc tgg gct tgg gaa agc    535
77  Met Ala Asn Ser Leu Asp Tyr Asn Glu Arg Leu Trp Ala Trp Glu Ser
78                     155                    160                    165
80  tgg aga tct gag gtc ggc aag cag ctg agg cca tta tat gaa gag tat    583
81  Trp Arg Ser Glu Val Gly Lys Gln Leu Arg Pro Leu Tyr Glu Glu Tyr
82          170                    175                    180
84  gtg gtc ttg aaa aat gag atg gca aga gca aat cat tat gag gac tat    631
85  Val Val Leu Lys Asn Glu Met Ala Arg Ala Asn His Tyr Glu Asp Tyr
86          185                    190                    195
88  ggg gat tat tgg aga gga gac tat gaa gta aat ggg gta gat ggc tat    679
89  Gly Asp Tyr Trp Arg Gly Asp Tyr Glu Val Asn Gly Val Asp Gly Tyr
90  200                    205                    210                    215
92  gac tac agc cgc ggc cag ttg att gaa gat gtg gaa cat acc ttt gaa    727
93  Asp Tyr Ser Arg Gly Gln Leu Ile Glu Asp Val Glu His Thr Phe Glu
94                     220                    225                    230
96  gag att aaa cca tta tat gaa cat ctt cat gcc tat gtg agg gca aag    775
97  Glu Ile Lys Pro Leu Tyr Glu His Leu His Ala Tyr Val Arg Ala Lys
98                     235                    240                    245
100  ttg atg aat gcc tat cct tcc tat atc agt cca att gga tgc ctc cct   823
101  Leu Met Asn Ala Tyr Pro Ser Tyr Ile Ser Pro Ile Gly Cys Leu Pro
102          250                    255                    260
104  gct cat ttg ctt ggt gat atg tgg ggt aga ttt tgg aca aat ctg tac   871
105  Ala His Leu Leu Gly Asp Met Trp Gly Arg Phe Trp Thr Asn Leu Tyr
106          265                    270                    275
108  tct ttg aca gtt ccc ttt gga cag aaa cca aac ata gat gtt act gat   919
109  Ser Leu Thr Val Pro Phe Gly Gln Lys Pro Asn Ile Asp Val Thr Asp
110  280                    285                    290                    295
112  gca atg gtg gac cag gcc tgg gat gca cag aga ata ttc aag gag gcc   967
113  Ala Met Val Asp Gln Ala Trp Asp Ala Gln Arg Ile Phe Lys Glu Ala
114                     300                    305                    310
116  gag aag ttc ttt gta tct gtt ggt ctt cct aat atg act caa gga ttc  1015
117  Glu Lys Phe Phe Val Ser Val Gly Leu Pro Asn Met Thr Gln Gly Phe
118          315                    320                    325
120  tgg gaa aat tcc atg cta acg gac cca gga aat gtt cag aaa gca gtc  1063
121  Trp Glu Asn Ser Met Leu Thr Asp Pro Gly Asn Val Gln Lys Ala Val
122          330                    335                    340
124  tgc cat ccc aca gct tgg gac ctg ggg aag ggc gac ttc agg atc ctt  1111
125  Cys His Pro Thr Ala Trp Asp Leu Gly Lys Gly Asp Phe Arg Ile Leu
126          345                    350                    355
128  atg tgc aca aag gtg aca atg gac gac ttc ctg aca gct cat cat gag  1159
131  Met Cys Thr Lys Val Thr Met Asp Asp Phe Leu Thr Ala His His Glu
132  360                    365                    370                    375
```

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134  atg ggg cat atc cag tat gat atg gca tat gct gca caa cct ttt ctg   1207
135  Met Gly His Ile Gln Tyr Asp Met Ala Tyr Ala Ala Gln Pro Phe Leu
136              380             385             390
138  cta aga aat gga gct aat gaa gga ttc cat gaa gct gtt ggg gaa atc   1255
139  Leu Arg Asn Gly Ala Asn Glu Gly Phe His Glu Ala Val Gly Glu Ile
140              395             400             405
142  atg tca ctt tct gca gcc aca cct aag cat tta aaa tcc att ggt ctt   1303
143  Met Ser Leu Ser Ala Ala Thr Pro Lys His Leu Lys Ser Ile Gly Leu
144              410             415             420
146  ctg tca ccc gat ttt caa gaa gac aat gaa aca gaa ata aac ttc ctg   1351
147  Leu Ser Pro Asp Phe Gln Glu Asp Asn Glu Thr Glu Ile Asn Phe Leu
148              425             430             435
150  ctc aaa caa gca ctc acg att gtt ggg act ctg cca ttt act tac atg   1399
151  Leu Lys Gln Ala Leu Thr Ile Val Gly Thr Leu Pro Phe Thr Tyr Met
152  440             445             450             455
154  tta gag aag tgg agg tgg atg gtc ttt aaa ggg gaa att ccc aaa gac   1447
155  Leu Glu Lys Trp Arg Trp Met Val Phe Lys Gly Glu Ile Pro Lys Asp
156              460             465             470
158  cag tgg atg aaa aag tgg tgg gag atg aag cga gag ata gtt ggg gtg   1495
159  Gln Trp Met Lys Lys Trp Trp Glu Met Lys Arg Glu Ile Val Gly Val
160              475             480             485
162  gtg gaa cct gtg ccc cat gat gaa aca tac tgt gac ccc gca tct ctg   1543
163  Val Glu Pro Val Pro His Asp Glu Thr Tyr Cys Asp Pro Ala Ser Leu
164              490             495             500
166  ttc cat gtt tct aat gat tac tca ttc att cga tat tac aca agg acc   1591
167  Phe His Val Ser Asn Asp Tyr Ser Phe Ile Arg Tyr Tyr Thr Arg Thr
168              505             510             515
170  ctt tac caa ttc cag ttt caa gaa gca ctt tgt caa gca gct aaa cat   1639
171  Leu Tyr Gln Phe Gln Phe Gln Glu Ala Leu Cys Gln Ala Ala Lys His
172  520             525             530             535
174  gaa ggc cct ctg cac aaa tgt gac atc tca aac tct aca gaa gct gga   1687
175  Glu Gly Pro Leu His Lys Cys Asp Ile Ser Asn Ser Thr Glu Ala Gly
176              540             545             550
178  cag aaa ctg ttc aat atg ctg agg ctt gga aaa tca gaa ccc tgg acc   1735
179  Gln Lys Leu Phe Asn Met Leu Arg Leu Gly Lys Ser Glu Pro Trp Thr
180              555             560             565
182  cta gca ttg gaa aat gtt gta gga gca aag aac atg aat gta agg cca   1783
183  Leu Ala Leu Glu Asn Val Val Gly Ala Lys Asn Met Asn Val Arg Pro
184              570             575             580
186  ctg ctc aac tac ttt gag ccc tta ttt acc tgg ctg aaa gac cag aac   1831
187  Leu Leu Asn Tyr Phe Glu Pro Leu Phe Thr Trp Leu Lys Asp Gln Asn
188              585             590             595
190  aag aat tct ttt gtg gga tgg agt acc gac tgg agt cca tat gca gac   1879
192  Lys Asn Ser Phe Val Gly Trp Ser Thr Asp Trp Ser Pro Tyr Ala Asp
193  600             605             610             615
195  caa agc atc aaa gtg agg ata agc cta aaa tca gct ctt gga gat aaa   1927
196  Gln Ser Ile Lys Val Arg Ile Ser Leu Lys Ser Ala Leu Gly Asp Lys
197              620             625             630
199  gca tat gaa tgg aac gac aat gaa atg tac ctg ttc cga tca tct gtt   1975
```

```
200   Ala Tyr Glu Trp Asn Asp Asn Glu Met Tyr Leu Phe Arg Ser Ser Val
201               635                 640                 645
203   gca tat gct atg agg cag tac ttt tta aaa gta aaa aat cag atg att      2023
204   Ala Tyr Ala Met Arg Gln Tyr Phe Leu Lys Val Lys Asn Gln Met Ile
205               650                 655                 660
207   ctt ttt ggg gag gag gat gtg cga gtg gct aat ttg aaa cca aga atc      2071
208   Leu Phe Gly Glu Glu Asp Val Arg Val Ala Asn Leu Lys Pro Arg Ile
209               665                 670                 675
211   tcc ttt aat ttc ttt gtc act gca cct aaa aat gtg tct gat atc att      2119
212   Ser Phe Asn Phe Phe Val Thr Ala Pro Lys Asn Val Ser Asp Ile Ile
213   680                 685                 690                 695
215   cct aga act gaa gtt gaa aag gcc atc agg atg tcc cgg agc cgt atc      2167
216   Pro Arg Thr Glu Val Glu Lys Ala Ile Arg Met Ser Arg Ser Arg Ile
217               700                 705                 710
219   aat gat gct ttc cgt ctg aat gac aac agc cta gag ttt ctg ggg ata      2215
220   Asn Asp Ala Phe Arg Leu Asn Asp Asn Ser Leu Glu Phe Leu Gly Ile
221               715                 720                 725
223   cag cca aca ctt gga cct cct aac cag ccc cct gtt tcc ata tgg ctg      2263
224   Gln Pro Thr Leu Gly Pro Pro Asn Gln Pro Pro Val Ser Ile Trp Leu
225               730                 735                 740
227   att gtt ttt gga gtt gtg atg gga gtg ata gtg gtt ggc att gtc atc      2311
228   Ile Val Phe Gly Val Val Met Gly Val Ile Val Val Gly Ile Val Ile
229         745                 750                 755
231   ctg atc ttc act ggg atc aga gat cgg aag aag aaa aat aaa gca aga      2359
232   Leu Ile Phe Thr Gly Ile Arg Asp Arg Lys Lys Lys Asn Lys Ala Arg
233   760                 765                 770                 775
235   agt gga gaa aat cct tat gcc tcc atc gat att agc aaa gga gaa aat      2407
236   Ser Gly Glu Asn Pro Tyr Ala Ser Ile Asp Ile Ser Lys Gly Glu Asn
237               780                 785                 790
239   aat cca gga ttc caa aac act gat gat gtt cag acc tcc ttt             2449
240   Asn Pro Gly Phe Gln Asn Thr Asp Asp Val Gln Thr Ser Phe
241               795                 800                 805
243   tagaaaaatc tatgtttttc ctcttgaggt gattttgttg tatgtaaatg ttaatttcat   2509
244   ggtatagaaa atataagatg ataaagatat cattaaatgt caaaactatg actctgttca   2569
245   gaaaaaaaat tgtccaaaga caacatggcc aaggagagag catcttcatt gacattgctt   2629
246   tcagtattta tttctgtctc tggatttgac ttctgttctg tttcttaata aggattttgt   2689
247   attagagtat attagggaaa gtgtgtattt ggtctcacag gctgttcagg gataatctaa   2749
248   atgtaaatgt ctgttgaatt tctgaagttg aaaacaagga tatatcattg gagcaagtgt   2809
249   tggatcttgt atggaatatg gatggatcac ttgtaaggac agtgcctggg aactggtgta   2869
250   gctgcaagga ttgagaatgg catgcattag ctcactttca tttaatccat tgtcaaggat   2929
251   gacatgcttt cttcacagta actcagttca agtactatgg tgatttgcct acagtgatgt   2989
252   ttggaatcga tcatgctttc ttcaaggtga caggtctaaa gagagaagaa tccagggaac   3049
253   aggtagagga cattgctttt tcacttccaa ggtgcttgat caacatctcc ctgacaacac   3109
254   aaaactagag ccaggggcct ccgtgaactc ccagagcatg cctgatagaa actcatttct   3169
255   actgttctct aactgtggag tgaatggaaa ttccaactgt atgttcaccc tctgaagtgg   3229
256   gtacccagtc tcttaaatct tttgtatttg ctcacagtgt ttgagcagtg ctgagcacaa   3289
257   agcagacact caataaatgc tagatttaca cactccttgt gctta                   3334
259   <210> SEQ ID NO: 2
260   <211> LENGTH: 805
```

RAW SEQUENCE LISTING   DATE: 11/01/2001
PATENT APPLICATION: US/09/978,385   TIME: 13:58:48

Input Set : A:\99-24C1.SEQ.txt
Output Set: N:\CRF3\11012001\I978385.raw

```
261 <212> TYPE: PRT
262 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 2
265  Met Ser Ser Ser Ser Trp Leu Leu Leu Ser Leu Val Ala Val Thr Ala
266  1               5               10              15
267  Ala Gln Ser Thr Ile Glu Glu Gln Ala Lys Thr Phe Leu Asp Lys Phe
268              20              25              .   30
269  Asn His Glu Ala Glu Asp Leu Phe Tyr Gln Ser Ser Leu Ala Ser Trp
270          35              40              45
271  Asn Tyr Asn Thr Asn Ile Thr Glu Glu Asn Val Gln Asn Met Asn Asn
272      50              55              60
273  Ala Gly Asp Lys Trp Ser Ala Phe Leu Lys Glu Gln Ser Thr Leu Ala
274  65              70              75              80
275  Gln Met Tyr Pro Leu Gln Glu Ile Gln Asn Leu Thr Val Lys Leu Gln
276              85              90.             95
277  Leu Gln Ala Leu Gln Gln Asn Gly Ser Ser Val Leu Ser Glu Asp Lys
278              100             105             110
279  Ser Lys Arg Leu Asn Thr Ile Leu Asn Thr Met Ser Thr Ile Tyr Ser
280          115             120             125
281  Thr Gly Lys Val Cys Asn Pro Asp Asn Pro Gln Glu Cys Leu Leu Leu
282          130             135             140
283  Glu Pro Gly Leu Asn Glu Ile Met Ala Asn Ser Leu Asp Tyr Asn Glu
284  145             150             155             160
285  Arg Leu Trp Ala Trp Glu Ser Trp Arg Ser Glu Val Gly Lys Gln Leu
286              165             170             175
287  Arg Pro Leu Tyr Glu Glu Tyr Val Val Leu Lys Asn Glu Met Ala Arg
288              180             185             190
289  Ala Asn His Tyr Glu Asp Tyr Gly Asp Tyr Trp Arg Gly Asp Tyr Glu
290          195             200             205
291  Val Asn Gly Val Asp Gly Tyr Asp Tyr Ser Arg Gly Gln Leu Ile Glu
292          210             215             220
293  Asp Val Glu His Thr Phe Glu Glu Ile Lys Pro Leu Tyr Glu His Leu
294  225             230             235             .240
295  His Ala Tyr Val Arg Ala Lys Leu Met Asn Ala Tyr Pro Ser Tyr Ile
296              245             250             255
297  Ser Pro Ile Gly Cys Leu Pro Ala His Leu Leu Gly Asp Met Trp Gly
298              260             265             270
299  Arg Phe Trp Thr Asn Leu Tyr Ser Leu Thr Val Pro Phe Gly Gln Lys
300              275             280             285
303  Pro Asn Ile Asp Val Thr Asp Ala Met Val Asp Gln Ala Trp Asp Ala
304          290             295             300
305  Gln Arg Ile Phe Lys Glu Ala Glu Lys Phe Phe Val Ser Val Gly Leu
306  305             310             315             320
307  Pro Asn Met Thr Gln Gly Phe Trp Glu Asn Ser Met Leu Thr Asp Pro
308              325             330             335
309  Gly Asn Val Gln Lys Ala Val Cys His Pro Thr Ala Trp Asp Leu Gly
310          340             345             350
311  Lys Gly Asp Phe Arg Ile Leu Met Cys Thr Lys Val Thr Met Asp Asp
312          355             360             365
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 11/01/2001
PATENT APPLICATION: **US/09/978,385** TIME: 13:58:49

Input Set : **A:\99-24C1.SEQ.txt**
Output Set: **N:\CRF3\11012001\I978385.raw**

```
L:13  M:270 C: Current Application Number differs, Replaced Current Application No
L:13  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
```

VERIFICATION SUMMARY   DATE: 11/01/2001
PATENT APPLICATION: **US/09/978,385**   TIME: 13:58:49

Input Set : **A:\99-24C1.SEQ.txt**
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```
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
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